## Amendments t the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

## Listing of Claims:

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(currently amended) A pharmaceutical composition comprising:
 a drug retained in a solid matrix in a manner causing release of said drug
from said solid matrix when said solid matrix is in the stomach,
said solid matrix when in the stomach being of a size large enough
to promote retention of said solid matrix in the stomach during the
fed mode, and

a fed mode inducing agent selected from the group consisting of:

- (a) glycine, glycylglycine and salts thereof,
- (b) C4-C8-sugar alcohols;
  - (e  $\underline{b}$  ) alkali and alkaline earth metal docusates,
- 16 (θc) β-casomorphins,
- 17 (e <u>d</u>) dithioorganic acids of the formula

$$CH_2$$
<sub>n</sub>— $CO_2H$ 

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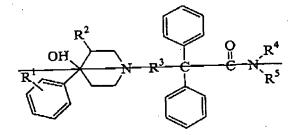
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in which n is 3 to 13,

(f) 2,2-diaryl 4 (4' aryl 4'-hydroxypiperidine)butyramides of the formula



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24 25 in which:

R<sup>1</sup> is a member selected from the group consisting of H, lower alkyl, and halo,

	A Come the group consisting of H and
26	R2 is a member selected from the group consisting of H and
27	methyl;
28	R <sup>3</sup> -is a member-selected from the group consisting of
29	$CH_2CH_2 - and - CH(CH_2)CH_2 - ;$
	R4 is lower alkyl, and
30	R <sup>5</sup> is lower alkyl,
31	([g] e) arginine and arginine salts,
32	(h) the dipeptide Trp Trp and salts thereof,
33	(i) alkyl pyridinium halides of the formula
34	(1) alkyr pyriamirani naness ex mi
	( + ) x-
	-N
	$CH_2(CH_2)_nCH_3$
35 36	in which n is 8 to 20 and X is halide,
	(i) dihydroxybenzoic acids,
37	( <del>k) stevioside,</del>
38	(R) steviestes; (I) alkyl esters of N-L & aspartyl-L phenylalanine;
39	
40	(m)-aspertic acid and salts thereof, and (m $\underline{f}$ ) 3,4-dihydro-1,2,3-oxathiazin-4-ones of the formula
41	(n <u>i</u> ) 3,4-miymo-1,2,5-oxum
	R S
	R <sup>2</sup> NHO
	R- T
42	O
43	in which R <sup>1</sup> and R <sup>2</sup> are independently selected from the
44	group consisting of H and C1-C10 alkyl, and salts thereof;
45	in an amount that causes onset of the fed mode.

1 2 3	2. (original) A pharmaceutical composition in accordance with claim I in which said fed mode inducing agent is retained in said solid matrix with said drug, said solid matrix causing release of both said fed mode reducing agent and said drug in a
4	sustained manner.
5 6 7 8	3.(original) A pharmaceutical composition in accordance with claim 1 in which said fed mode inducing agent resides in a surface coating or layer on said solid matrix, said surface coating or layer permitting substantially immediate release of said fed mode reducing agent upon contact with gastric fluid while said solid matrix causes release of said drug in a sustained manner.
10 11 12	4. (original) A pharmaceutical composition in accordance with claim 1 in which said fed mode inducing agent is separate from said solid matrix, said solid matrix causing release of drug in a sustained manner.
13 14 15	5.(original) A pharmaceutical composition in accordance with claim 1 in which the size of said solid matrix prior to ingestion is sufficiently large to promote retention of said solid matrix in the stomach during the fed mode.
16 17 18 19	6.(original) A pharmaceutical composition in accordance with claim 1 in which said solid matrix swells or expands upon contact with gastric fluid to a size sufficiently large to promote retention of said solid matrix in the stomach during the fed mode.
20 21 22	7.(currently amended) A pharmaceutical composition in accordance with claim 1 in which said fed mode inducing agent is a member selected from the group

1	8.(original) A pharmaceutical composition in accordance with claim?
2	in which the amount of said fed mode inducing agent is from about 1 mg to about
3	500 mg.
4	9.(original) A pharmaceutical composition in accordance with claim 7 in which the amount of said fed mode inducing agent is from about 5 mg to about
5	
6	150 mg.
7	10 - 13. (cancelled)
8	14. (original) A pharmaceutical composition in accordance with claim 1 in which said fed mode inducing agent is a member selected from the group consisting of
10	alkali and alkaline earth metal docusates.
11 12 13	15.(original) A pharmaceutical composition in accordance with claim 14 in which said fed mode inducing agent is a member selected from the group consisting of calcium docusate and sodium docusate.
14 15	16.(original) A pharmaceutical composition in accordance with claim 14 in which said fed mode inducing agent is sodium docusate.
16 17	17. (original) A pharmaceutical composition in accordance with claim 14 in which the amount of said fed mode inducing agent is from about 30 mg to about
18	1000 mg.
19 20 21	18.(original) A pharmaceutical composition in accordance with claim 14 in which the amount of said fed mode inducing agent is from about 50 mg to about 400 mg.
22 23	19.(original) A pharmaceutical composition in accordance with claim 1 in which said fed mode inducing agent is a B-casomorphin.

22 23

> 24 25

20.(original) A pharmaceutical composition in accordance with claim 19 1 in which said B-casomorphin is bovine B-casomorphin. 2 3 21.(original) A pharmaceutical composition in accordance with claim 19 4 in which the amount of said B-casomorphin is from about 1 mg to about 300 mg. 5 6 22.(original) A pharmaceutical composition in accordance with claim 19 7 in which the amount of said \( \beta\)-casomorphin is from about 5 mg to about 150 mg. 8 9 23.(original) A pharmaceutical composition in accordance with claim 19 10 in which said fed mode inducing agent is a dithioorganic acid of the formula 11  $-(CH_2)_n$   $-CO_2H$ 12 in which n is 3 to 13. 13 14 24.(original) A pharmaceutical composition in accordance with claim 23 15 in which said dithioorganic acid is \alpha-lipoic acid. 16 17 25.(original) A pharmaceutical composition in accordance with claim 23 18 in which the amount of said dithioorganic acid is from about 30 mg to about 1000 mg. 19 20 26.(original) A pharmaceutical composition in accordance with claim 23 21 in which the amount of said dithioorganic acid is from about 40 mg to about 300 mg.

27-31 (canceled)

26	32.(original) A pharmaceutical composition in accordance with claim 1
27	in which said fed mode inducing agent is a member selected from the group consisting of
28	arginine and arginine salts.
29	
30 31 32 33 34 35 36	33.(original) A pharmaceutical composition in accordance with claim 32 in which the amount of said fed mode inducing agent is from about 3 mg to about 300 mg.  34.(original) A pharmaceutical composition in accordance with claim 32 in which the amount of said fed mode inducing agent is from about 30 mg to about 150 mg.
37	
38	35-46 (canceled)
39 40 41 42 43 44 45 46	47.(original) A pharmaceutical composition in accordance with claim 1 in which said fed mode inducing agent is retained in said dosage form in such a manner that said fed mode inducing agent is released substantially immediately into gastric fluid upon contact of said dosage form with said gastric fluid while said drug is released into said gastric fluid in a sustained manner by dissolution and diffusion of said drug out of said solid matrix, by erosion or dissolution of said matrix, or by osmotic pressure within said solid matrix.
47 48 49	48.(original) A pharmaceutical composition in accordance with claim 1 in which said fed mode inducing agent is retained in said dosage form in such a manner that both said drug and said fed mode inducing agent are released into gastric fluid in a sustained manner by dissolution and diffusion of said drug and said fed mode inducing
50 51	agent out of said solid matrix, by erosion or dissolution of said matrix, or by osmotic pressure within said solid matrix.
52 53	

1	49.(original) A pharmaceutical composition in accordance with claim 1
2	in which said solid matrix is a member selected from the group consisting of cellulose
3	polymers and polyethylene oxide.
4	50 (original) A pharmaceutical composition in accordance with claim 49
5	in which said solid matrix is a member selected from the group consisting of
6	hydroxymethylcellulose, hydroxyethylcellulose, hydroxypropylcellulose,
7	hydroxypropylmethylcellulose, carboxymethylcellulose, and polyethylene oxide.
8	
9	51.(original) A pharmaceutical composition in accordance with claim 50
10	in which said solid matrix is a member selected from the group consisting of
11	hydroxyethylcellulose, hydroxypropylcellulose, and polyethylene oxide.
12	
13	52.(original) A pharmaceutical composition in accordance with claim 1 in which said fed mode inducing agent is contained in a solid coating adhering to a
14	
15	surface of said solid matrix.
16	
17	53.(original) A pharmaceutical composition in accordance with claim 52
18	in which said solid coating is comprised of said fed mode inducing agent suspended in a
19	water-soluble matrix.
20	
21	54.(original) A pharmaceutical composition in accordance with claim 52
22	in which said water-soluble matrix is a member selected from the group consisting of
23	cellulosics, vinyls, glycols and carbohydrates.
24	
	55.(original) A pharmaceutical composition in accordance with claim 52
25	55.(original) A pharmaceutical composition in accordance with claim 32 in which said water-soluble matrix is a member selected from the group consisting of
26	sodium carboxymethylcellulose, sodium starch glycolate, crospovidone, microcrystalline
27	cellulose, lactose, and substituted hydroxypropylcellulose.
28	cellulose, lactose, and substituted hydroxypropyroodialoss.

1	56-96 (canceled)
2	97.(original) A pharmaceutical composition comprising:
3	a drug retained in a first solid matrix in a manner causing release of said
4	drug from first said solid matrix when said first solid matrix is in
5	the stomach, said solid first matrix when in the stomach being of a
_	size large enough to promote the retention of said first solid matrix
6	in the stomach during the fed mode, and
7	a pharmacological fed mode inducing agent active in inducing onset of the
8	fed mode, said fed mode inducing agent retained in a second solid
9	matrix configured to release said fed mode inducing agent into the
10	stomach in a sustained manner.
11	stomach in a sustained mathlet.
12	
13	98.(original) A pharmaccutical composition in accordance with claim 97
14	in which said first solid matrix and said second solid matrix are a common single matrix.
15	99.(original) A pharmaceutical composition in accordance with claim
16	98in which said fed mode inducing agent is sufficiently potent that onset of said fed mode
17	results from release of an amount of said fed mode inducing agent that is less than
	500 mg.
18	100. (new) A pharmaceutical composition in accordance with claim 1 in
19	which the fed mode inducing agent is selected from the group consisting of dithioorganic
20	
21	acids of the formula
	$CO_2H$
22	, w , 1 to 1 m in 2 4m 12
23	in which n is 3 to 13.

101. (new) A pharmaceutical composition in accordance with claim 100 in 1 which the fed mode inducing agent is accsulfame. 2 102. (new) A pharmaceutical composition in accordance with claim 100 3 in which the amount of said dithioorganic acid is from about 30 to about 1000 mg. 4 103. (new) A pharmaceutical composition in accordance with claim 100 5 in which the amount of said dithioorganic acid is from about 30 to about 1000 mg. б 104. (new) A pharmaceutical composition in accordance with claim 100 in 7 which the amount of said dithioorganic acid is from about 40 to about 300 mg. 8 9 105. (new) A sustained release pharmaceutical composition comprising: 10 a drug retained in a solid matrix in a manner causing release of said drug 11 from said solid matrix when said solid matrix is in the stomach, said solid matrix 12 when in the stomach being of a size large enough to promote retention of said 13 solid matrix in the stomach during the fed mode, and 14 a fed mode inducing agent selected from the group consisting of: 15 (a) glycylglycine and salts thereof, 16 (b) C<sub>4</sub>-C<sub>8</sub> sugar alcohols, 17 (c) alkali and alkaline earth metal docusates, 18 (d) B-casomorphins, 19 (e) dithioorganic acids of the formula 20  $CH_2$ <sub>n</sub>— $CO_2H$ 21 in which n is 3 to 13, 22 (f) 2,2-diaryl-4-(4'-aryl-4'-hydroxypiperidino)butyramides of the 23 formula 24 25 in which: 26

27	R' is a member selected from the group consisting of H,
28	lower alkyl, and halo,
29	R <sup>2</sup> is a member selected from the group consisting of H and
30	methyl,
31	R <sup>3</sup> is a member selected from the group consisting of —
32	$CH_2CH_2$ — and — $CH(CH_3)CH_2$ —,
3 <b>3</b>	R <sup>4</sup> is lower alkyl, and
34	R <sup>5</sup> is lower alkyl,
35	(g) arginine and arginine salts,
36	(h) the dipeptide Trp-Trp and salts thereof,
37	(i) alkyl pyridinium halides of the formula
	CH <sub>2</sub> (CH <sub>2</sub> ) <sub>p</sub> CH <sub>3</sub>
38	CH <sub>2</sub> (CH <sub>2</sub> ) <sub>n</sub> CH <sub>3</sub>
39	in which n is 8 to 20 and X is halide,
40	(j) dihydroxybenzoic acids,
41	(k) stevioside,
42	(l) alkyl esters of N-L-α-aspartyl L-phenylalanine,
43	(m) aspartic acid and salts thereof, and (n) 3,4-dihydro-1,2,3-oxathiazin-4-ones of the formula
44	(n) 3,4-dihydro-1,2,3-oxatmaziti-4-olios of the resistant
	R <sup>1</sup> O S O NHO
45	in which R1 and R2 are independently selected from the
46	group consisting of H and $C_1$ - $C_{10}$ alkyl, and salts thereof
47	in an amount that causes onset of the fed mode.
48	III III III/OUIV CIBO CHARLES
49	
50	106.(new) A pharmaceutical composition in accordance with claim 105 in
51	which said fed mode inducing agent is retained in said solid matrix with said drug, said
52	solid matrix causing release of both said fed mode reducing agent and said drug in a
53	sustained manner.

	107.(new) A pharmaceutical composition in accordance with claim 105 in
1	which said fed mode inducing agent resides in a surface coating or layer on said solid
2	which said fed mode inducing agent rostess in a contract in a contract release of said fed matrix, said surface coating or layer permitting substantially immediate release of said fed matrix, said surface coating or layer permitting substantially immediate release of said fed
3	matrix, said surface coating or tayer permitting solutions, said surface coating or tayer permitting solutions, matrix, said surface coating or tayer permitting solutions, matrix, said surface coating or tayer permitting solutions, and surface coating or tayer permitting solutions.
4	mode reducing agent upon contact with gastite third willie sale some
<b>5</b> .	release of said drug in a sustained manner.
,	108.(new) A pharmaceutical composition in accordance with claim
6	105 in which said fed mode inducing agent is separate from said solid matrix, said solid
7	matrix causing release of drug in a sustained manner.
8	matrix causing folease of cities and
9	
10	109.(new) A pharmaceutical composition in accordance with claim
11	105 in which the size of said solid matrix prior to ingestion is sufficiently large to
12	promote retention of said solid matrix in the stomach during the fed mode.
13	
	110.(new) A pharmaceutical composition in accordance with claim
14	110.(new) A pharmaceutical composition in accordance with a size
15	105 in which said solid matrix swells or expands upon contact with gastric fluid to a size
16	sufficiently large to promote retention of said solid matrix in the stomach during the fed
17	mode.
	111 (new) A pharmaceutical composition in accordance with claim
18	105 in which said fed mode inducing agent is a member selected from the group
19	
20	consisting of glycylglycine and salts thereof.
21	112. (new) A pharmaceutical composition in accordance with claim
22	105 in which said fed mode inducing agent is a C <sub>4</sub> -C <sub>8</sub> sugar alcohol.
2. <b>L</b>	
23	113.(new) A pharmaceutical composition in accordance with claim
24	105 in which said $C_4$ - $C_8$ sugar alcohol is xylitol.
_	114.(new) A pharmaceutical composition in accordance with claim
25	Consugar alcohol is from about 30 mg to about
26	
27	
28	

A pharmaceutical composition in accordance with claim 115.(new) 29 112 in which the amount of said C<sub>4</sub>-C<sub>8</sub> sugar alcohol is from about 100 mg to about 30 31 800 mg. A pharmaceutical composition in accordance with claim 116.(new) 32 105 in which said fed mode inducing agent is a member selected from the group 33 consisting of alkali and alkaline earth metal docusates. 34 A pharmaceutical composition in accordance with claim 117.(new) 35 116 in which said fed mode inducing agent is a member selected from the group 36 consisting of calcium docusate and sodium docusate. 37 A pharmaceutical composition in accordance with claim 118.(new) 38 116 in which said fed mode inducing agent is sodium docusate. **39** A pharmaceutical composition in accordance with claim 119.(new) 40 116 in which the amount of said fed mode inducing agent is from about 30 mg to about 41 42 1000 mg. A pharmaceutical composition in accordance with claim 120.(new) 43 116 in which the amount of said fed mode inducing agent is from about 50 mg to about 44 45 400 mg. A pharmaceutical composition in accordance with claim 121.(new) 46 105 in which said fed mode inducing agent is a B-casomorphin. 47 A pharmaceutical composition in accordance with claim 122.(new) 48 121 in which said B-casomorphin is bovine B-casomorphin. 49 A pharmaceutical composition in accordance with claim 123.(new) 50 105 in which said fed mode inducing agent is a dithioorganic acid of the formula 51  $\leftarrow$  (CH<sub>2</sub>)<sub>n</sub>  $\leftarrow$  CO<sub>2</sub>H

53 in which n is 3 to 13.

52

- 1 124.(new) A pharmaceutical composition in accordance with claim
  2 123 in which said dithioorganic acid is α-lipoic acid.
- 3 125.(new) A pharmaceutical composition in accordance with claim
- 4 105 in which said fed mode inducing agent is a 2,2-diaryl-4-(4'-aryl-4'-
- 5 hydroxypiperidino)butyramide of the formula

$$\begin{array}{c|c} & & & & \\ & & & & \\ OH & & & & \\ R^1 & & & \\ R^2 & & & \\ OH & & & \\ N-R^3-C & & \\ C-N & \\ R^5 \end{array}$$

6 in which: 7 R1 is a member selected from the group consisting of H, lower alkyl, and 8 halo. 9 R<sup>2</sup> is a member selected from the group consisting of H and methyl, 10 R3 is a member selected from the group consisting of -CH2CH2- and 11 -- CH(CH<sub>3</sub>)CH<sub>2</sub>---, 12 R4 is lower alkyl, and 13 R<sup>5</sup> is lower alkyl. 14 A pharmaceutical composition in accordance with claim 126.(new) 15 125 in which: 16 R<sup>1</sup> is a member selected from the group consisting of H, C<sub>1</sub>-C<sub>3</sub> alkyl, 17 fluoro, and chloro, 18 R<sup>2</sup> is a member selected from the group consisting of H and methyl, 19 R<sup>3</sup> is a member selected from the group consisting of -CH<sub>2</sub>CH<sub>2</sub>- and 20 — CH(CH<sub>3</sub>)CH<sub>2</sub>—, 21 R4 is C1-C3 alkyl, and 22 R<sup>5</sup> is C<sub>1</sub>-C<sub>3</sub> alkyl. 23

1	127.(new) A pharmaceutical composition in accordance with claim
2	124 in which $R^1$ is 4-chloro, $R^2$ is H, $R^3$ is —CH <sub>2</sub> CH <sub>2</sub> —, $R^4$ is CH <sub>3</sub> , and $R^5$ is CH <sub>3</sub> .
3	128.(new) A pharmaceutical composition in accordance with claim 125 in which the amount of said 2,2-diaryl-4-(4'-aryl-4'-hydroxypiperidino)butyramide is
4	
5	from about 0.5 mg to about 300 mg.
6	129 (new) A pharmaceutical composition in accordance with claim
7	125 in which the amount of said 2,2-diaryl-4-(4'-aryl-4'-hydroxypiperidino)butyramide is
8	from about 2 mg to about 15 mg.
9	130.(new) A pharmaceutical composition in accordance with claim
	105 in which said fed mode inducing agent is a member selected from the group
10 11	consisting of arginine and arginine salts.
11	
12	131.(new) A pharmaceutical composition in accordance with claim
13	105 in which said fed mode inducing agent is a member selected from the group
14	consisting of the dipeptide Trp-Trp and Trp-Trp salts.
15	132.(new) A pharmaceutical composition in accordance with claim
16	131 in which the amount of said Trp-Trp is from about 0.05 mg to about 300 mg.
17	133.(new) A pharmaceutical composition in accordance with claim  131 in which the amount of said Trp-Trp is from about 0.5 mg to about 10 mg.
18	•
19	134.(new) A pharmaceutical composition in accordance with claim
20	105 in which said fed mode inducing agent is an alkyl pyridinium halide of the formula
	Y-X-
21	Ĉ CH₂(CH₂)nCH₃
22	in which n is 10 to 20 and X is halide.

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1	135.(new) A pharmaceutical composition in accordance with claim
2	134 in which n is 12 to 16 and X is chloride.
3	136.(new) A pharmaceutical composition in accordance with claim
<i>3</i>	134 in which said alkyl pyridinium halide is cetyl pyridinium chloride.
4	
5	137.(new) A pharmaceutical composition in accordance with claim
6	134 in which the amount of said alkyl pyridinium halide is from about 0.1 mg to about
7	200 mg.
	138.(new) A pharmaceutical composition in accordance with claim
8	138.(new) A pharmaceutical composition in accordance with open 134 in which the amount of said alkyl pyridinium halide is from about 0.5 mg to about
9	134 in which the amount of said alkyl pyridinum hande is now about 13
10	50 mg.
11	139.(new) A pharmaceutical composition in accordance with claim
12	105 in which said fed mode inducing agent is a dihydroxybenzoic acid.
, 2	
13	140.(new) A pharmaceutical composition in accordance with claim
14	139 in which said dihydroxybenzoic acid is gentisic acid.
	141(new) A pharmaceutical composition in accordance with claim
15	139 in which the amount of said dihydroxybenzoic acid is from about 3 mg to about
16	
17	300 mg.
18	142.(new) A pharmaceutical composition in accordance with claim
19	139 in which the amount of said dihydroxybenzoic acid is from about 10 mg to about
20	100 mg.
	143.(new) A pharmaceutical composition in accordance with claim
21	143.(new) A pharmaceutical composition in accordance with 105 in which said fed mode inducing agent is retained in said dosage form in such a
22	105 in which said fed mode inducing agent is relaised in said design transfer into
<b>2</b> 3	manner that said fed mode inducing agent is released substantially immediately into
24	gastric fluid upon contact of said dosage form with said gastric fluid while said drug is
25	released into said gastric fluid in a sustained manner by dissolution and diffusion of said
26	·
27	pressure within said solid matrix.

	144.(new) A pharmaceutical composition in accordance with claim
1	105 in which said fed mode inducing agent is retained in said dosage form in such a
2	105 in which said fed mode inducing agent are released into gastric manner that both said drug and said fed mode inducing agent are released into gastric
3	fluid in a sustained manner by dissolution and diffusion of said drug and said fed mode
4	fluid in a sustained manner by dissolution and dissolution of said matrix, or by inducing agent out of said solid matrix, by erosion or dissolution of said matrix, or by
5	inducing agent out of said solid matrix, by croston of control
6	osmotic pressure within said solid matrix.
-	145.(new) A pharmaceutical composition in accordance with claim
7	105 in which said solid matrix is a member selected from the group consisting of
8	cellulose polymers and polyethylene oxide.
9	
10	146.(new) A pharmaceutical composition in accordance with claim
11	145 in which said solid matrix is a member selected from the group consisting of
12	hydroxy methylcellulose, hydroxyethylcellulose, hydroxypropylcentulose,
13	hydroxymethylcellulose, carboxymethylcellulose, and polyethylene oxide.
	and a secondarice with claim
14	147.(new) A pharmaceutical composition in accordance with a
15	145 in which said solid matrix is a member selected from the group consisting of
16	hydroxyethylcellulose, hydroxypropylcellulose, and polyethylene oxide.
	148.(new) A pharmaceutical composition in accordance with claim
17	105 in which said fed mode inducing agent is contained in a solid coating adhering to a
18	
19	surface of said solid matrix.
20	149.(new) A pharmaccutical composition in accordance with claim
21	148 in which said solid coating is comprised of said fed mode inducing agent suspended
22	in a water-soluble matrix.
22	is a secondance with claim
23	150.(new) A pharmaceutical composition in accordance
24	149 in which said water-soluble matrix is a member selected from the group consisting of
25	cellulosics, vinyls, glycols and carbohydrates.
	151 (new) A pharmaceutical composition in accordance with claim
26	of the group consisting of
27	the testivious sodium starch glycolate, crospovidone, iniciou yamnino
28	sodium carboxymethylcellulose, sodium ossas asymptotylcellulose.
29	collulose, lactose, and substituted hydroxypropylcellulose.